



DT07 Rec'd PCT/PTO 24 DEC 2002

OBLON
SPIVAK
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P.C.

ATTENTION: APPLICATIONS BRANCH

**THIS IS A RESPONSE TO A
NOTIFICATION OF DEFECTIVE RESPONSE**

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

ATTORNEYS AT LAW
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Re: Serial No.: **10/030,194**
Applicant(s): **Michel RENARD et al.**
Filing Date: **FEBRUARY 4, 2002**
For: **MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH
REDUCED DEVELOPMENT CONTAINING SAID MUTANT GENE**

SIR:

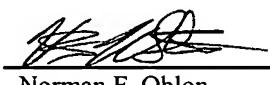
Attached hereto for filing are the following papers:

**Preliminary Amendment and Statement
Substitute Sequence Listing w/Attached Computer-Readable Form
Return Copy - Notification of Defective Response**

Our check in the amount of \$-0- is attached covering any required fees. In the event any variance exists between the amount enclosed and the U.S. Patent and Trademark Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. §1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. §1.136 for the necessary extension of time. A duplicate of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618

Vincent K. Shier, Ph.D.
Registration No. 50,552

Docket No. 218874US0PCT

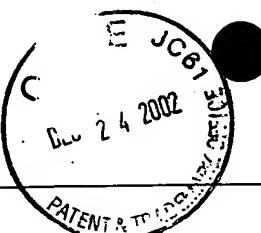


22850

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UNITED STATES PATENT AND TRADEMARK OFFICE



Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT		ATTY. DOCKET NO.
10/030,194	Michel Renard		218874USOPCT
INTERNATIONAL APPLICATION NO.			PCT/FR00/02216
22850 OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VA 22202		I.A. FILING DATE	PRIORITY DATE
			08/02/2000
CONFIRMATION NO. 8696			
371 FORMALITIES LETTER			
 OC00000009180390			

Date Mailed: 12/02/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination

RECEIVED: 12/5/02
 OBLON, SPIVAK, McCLELLAND
 MAIER & NEUSTADT, P.C.
DOCKETING DEPT.
 Initials/Date Docketed: 12/5/02
 Type of Resp(s): Sequencing
 Due Date(s): 1-2-03 (1M Eor)

Applicant's response filed 08/15/2002 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/15/2002 have not been completed.

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

WJD

- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- **APPLICANT MUST PROVIDE:**
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

ANITA D JOHNSON

Telephone: (703) 305-3661

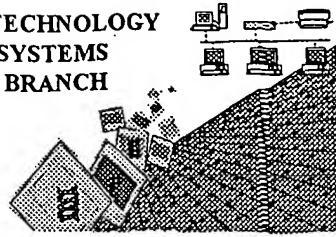
PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/030,194	PCT/FR00/02216	218874USOPCT

FORM PCT/DO/EO/916 (371 Formalities Notice)

5630 AG

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/030,194
Source: PG10
Date Processed by STIC: 11/18/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,194

DATE: 11/18/2002
TIME: 15:02:28

Input Set : A:\EP.txt
Output Set: N:\CRF4\11182002\J030194.raw

7 <110> APPLICANT: RENARD, MICHEL
10 DELOURME, REGINE
13 BARRET, PIERRE
16 BRUNEL, DOMINIQUE
19 FROGER, NICOLE
22 TANGUY, XAVIER
28 <120> TITLE OF INVENTION: MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH REDUCED
29 DEVELOPMENT CONTAINING SAID MUTANT GENE
35 <130> FILE REFERENCE: 218874US0PCT
41 <140> CURRENT APPLICATION NUMBER: 10/030,194
44 <141> CURRENT FILING DATE: 2002-02-04
50 <150> PRIOR APPLICATION NUMBER: PCT/FR00/02216
53 <151> PRIOR FILING DATE: 2000-08-02
59 <150> PRIOR APPLICATION NUMBER: FR 9910023
62 <151> PRIOR FILING DATE: 1999-08-02
E--> 68 <160> NUMBER OF SEQ ID NOS: 63 see below
74 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

Does Not Comply
Corrected Diskette Needed

714 <210> SEQ ID NO: 3
717 <211> LENGTH: 1779
720 <212> TYPE: DNA
723 <213> ORGANISM: Brassica napus
729 <220> FEATURE:
732 <221> NAME/KEY: CDS
735 <222> LOCATION: (60)..(1778) 587 (see p.2)
738 <223> OTHER INFORMATION:
745 <400> 3

last sequence in submitted file

747 caacccagaa caaaaaccaga ccgatctgag agattaacta tatcttaacc agatcagaa 59
751 atg aag agg gat ctt cat cag ttc caa ggt ccc aac cac ggg aca tca 107
753 Met Lys Arg Asp Leu His Gln Phe Gln Gly Pro Asn His Gly Thr Ser
755 1 5 10 15
759 atc gcc ggt tct tcc act tct tcc cct gcg gtg ttt ggt aaa gac aag 155
761 Ile Ala Gly Ser Ser Thr Ser Ser Pro Ala Val Phe Gly Lys Asp Lys
763 20 25 30
767 atg atg atg gtc aaa gaa gaa gac gac gag ctt cta gga gtc ttg 203
769 Met Met Met Val Lys Glu Glu Asp Asp Glu Leu Leu Gly Val Leu
771 35 40 45
775 ggt tac aag gtt agg tct tcg gag atg gct gag gtt gcg ttg aaa ctc 251
777 Gly Tyr Lys Val Arg Ser Ser Glu Met Ala Glu Val Ala Leu Lys Leu
779 50 55 60

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,194

DATE: 11/18/2002
TIME: 15:02:28

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Output Set: N:\CRF4\11182002\J030194.raw

783 gag cag ctt gag acg atg atg ggt aac gct caa gaa gac ggt tta gct	299
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787 65 70 75 80	
791 cac ctc gcg acg gat act gtt cat tac aac ccc gct gag ctt tac tcg	347
793 His Leu Ala Thr Asp Thr Val His Tyr Asn Pro Ala Glu Leu Tyr Ser	
795 85 90 95	
799 tgg ctt gat aac atg ctc acg gag ctt aac cca ccc gct gca acg acc	395
801 Trp Leu Asp Asn Met Leu Thr Glu Leu Asn Pro Pro Ala Ala Thr Thr	
803 100 105 110	
807 gga tct aac gct ttg aac ccg gag att aat aat aat aat aac tcg	443
809 Gly Ser Asn Ala Leu Asn Pro Glu Ile Asn Asn Asn Asn Asn Ser	
811 115 120 125	
815 ttt ttc acc gga ggc gac ctc aaa gcg att cct gga aac gcg gtt tgt	491
817 Phe Phe Thr Gly Gly Asp Leu Lys Ala Ile Pro Gly Asn Ala Val Cys	
819 130 135 140	
823 cgc aga tct aat cag ttc gcg ttt gct gat tcg tcg agt aat aag	539
825 Arg Arg Ser Asn Gln Phe Ala Phe Ala Val Asp Ser Ser Ser Asn Lys	
827 145 150 155 160	
831 cgt ttg aaa ccg tcc tcg agc cct gat tcg atg gtt aca tct cca tca	587
833 Arg Leu Lys Pro Ser Ser Pro Asp Ser Met Val Thr Ser Pro Ser	
E--> 835 165 170 175 ← insert	

*the
correct
nucleotide
total*

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/030,194

DATE: 11/18/2002
TIME: 15:02:29

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Output Set: N:\CRF4\11182002\J030194.raw

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L:835 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:835 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1779 Found:587 SEQ:3
L:68 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (6) Counted (3)